

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, Northwest				
CARROLL COUNTY --- 0.5 W SHANNON [42.15, -89.74]				
	07/02/08 14:16 CST		0	Thunderstorm Wind (EG 52 kt)
	07/02/08 14:16 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down numerous tree branches throughout Shannon, IL at 316 pm July 2. Some of the branches were about 4 inches in diameter. Pea-sized hail and torrential rains were also observed.				
STEPHENSON COUNTY --- GERMAN VLY [42.22, -89.47]				
	07/02/08 14:30 CST		0	Hail (0.88 in)
	07/02/08 14:30 CST		0	Source: Trained Spotter
Nickel-sized hail fell 1 mile east of German Valley, IL at 330 pm July 2.				
A cold front moved southeast across northwest Illinois July 2, sparking some showers and thunderstorms. Some of the storms were severe producing nickel-sized hail and damaging winds. Torrential rains also accompanied the stronger storms.				
STEPHENSON COUNTY --- 1.8 SSW LENA [42.36, -89.85]				
	07/07/08 20:30 CST		50K	Thunderstorm Wind (EG 56 kt)
	07/07/08 20:30 CST		0	Source: Utility Company
Wind gusts estimated to be 65 mph blew down four utility poles near the intersection of N 5 Corners Rd and Highway 20 about 2 miles south southwest of Lena, IL around 9:30 pm July 7. A power outage was observed in several surrounding communities. This report was relayed by the Freeport Journal Standard newspaper.				
A cold front moved into northwest Illinois during the evening of July 7 producing showers and thunderstorms. Some of the storms surpassed severe thresholds producing wind gusts over 58 mph.				
BUREAU COUNTY --- 1.0 E LA MOILLE [41.53, -89.26]				
	07/10/08 14:32 CST		0	Hail (0.75 in)
	07/10/08 14:32 CST		0	Source: Trained Spotter
Penny-sized hail fell 1 mile east of La Moille, IL around 332 pm July 10. This report was relayed by the Emergency Manager.				
BUREAU COUNTY --- 1.8 N WYANET [41.40, -89.58]				
	07/10/08 15:36 CST		25K	Thunderstorm Wind (EG 52 kt)
	07/10/08 15:36 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew a semi truck over on Interstate 80 about 6 miles west of Princeton, IL at 436 pm July 10.				
HENRY COUNTY --- OSCO [41.35, -90.28]				
	07/10/08 15:40 CST		0	Hail (0.88 in)
	07/10/08 15:40 CST		0	Source: Trained Spotter
Nickel-sized hail fell 6 miles northwest of Cambridge, IL at 440 pm July 10.				
BUREAU COUNTY --- 1.3 ESE TISKILWA [41.29, -89.50]				
	07/10/08 17:42 CST		0	Hail (0.75 in)
	07/10/08 17:42 CST		0	Source: Trained Spotter
Penny-sized hail fell in Tiskilwa, IL at 642 pm July 10.				
BUREAU COUNTY --- 0.9 SE TISKILWA [41.29, -89.51], 2.3 NNE LONE TREE CORNERS [41.21, -89.47]				
	07/10/08 17:50 CST		0	Hail (0.75 in)
	07/10/08 17:50 CST		0	Source: Trained Spotter
Spotter drove through dime-sized hail the entire route from Tiskilwa, IL to Lake Thunderbird, IL between 650 pm and 657 pm July 10.				
PUTNAM COUNTY --- 2.7 WSW GOOSE LAKE [41.21, -89.47], 2.0 SSW GOOSE LAKE [41.20, -89.43]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/10/08 17:57 CST		0	Hail (0.75 in)
	07/10/08 17:57 CST		0	Source: Trained Spotter
Dime-sized hail fell at Lake Thunderbird or 3 miles northwest of Putnam, IL around 657 pm July 10.				
PUTNAM COUNTY --- 4.2 W MAGNOLIA [41.13, -89.28]				
	07/10/08 18:10 CST		0	Hail (0.88 in)
	07/10/08 18:10 CST		0	Source: Public
Nickel-sized hail fell 5 miles southwest of Mc Nabb, IL at 710 pm July 10.				
JO DAVIESS COUNTY --- 1.6 WNW GALENA [42.43, -90.45], 1.2 NE GALENA [42.43, -90.40], 0.9 E GALENA [42.42, -90.40], 0.9 S GALENA [42.41, -90.42], 1.5 SW GALENA [42.40, -90.44], 1.4 WSW GALENA [42.41, -90.45]				
	07/10/08 19:14 CST		0	Flash Flood (due to Heavy Rain)
	07/10/08 21:00 CST		0	Source: COOP Observer
Heavy rains measuring 1.00 inches in just 15 minutes resulted in flash flooding in Galena, IL during the evening of July 10.				
WHITESIDE COUNTY --- 3.3 SE COLETA [41.87, -89.75]				
	07/10/08 19:39 CST		0	Hail (0.88 in)
	07/10/08 19:39 CST		0	Source: Trained Spotter
Nickel-sized hail fell 3 miles southeast of Coleta, IL at 839 pm July 10.				
WHITESIDE COUNTY --- 0.5 W STERLING ARPT [41.75, -89.69]				
	07/10/08 20:00 CST		0	Hail (0.75 in)
	07/10/08 20:00 CST		0	Source: Law Enforcement
Penny-sized hail fell 2 miles south of Rock Falls, IL at 900 pm July 10.				
BUREAU COUNTY --- 2.5 NNE WALNUT [41.59, -89.59]				
	07/10/08 20:17 CST		0	Hail (1.00 in)
	07/10/08 20:17 CST		0	Source: Emergency Manager
Quarter-sized hail fell on Baseline Road about 2 miles north of Walnut, IL at 917 pm July 10.				
BUREAU COUNTY --- 1.2 ENE WALNUT [41.56, -89.58]				
	07/10/08 20:25 CST		0	Thunderstorm Wind (EG 52 kt)
	07/10/08 20:25 CST		0	Source: Amateur Radio
Wind gusts estimated to be 50 to 60 mph were observed near a funeral home just east of Walnut, IL at 925 pm July 10.				
BUREAU COUNTY --- 1.7 NE WALNUT [41.57, -89.58]				
	07/10/08 20:28 CST		0	Hail (1.00 in)
	07/10/08 20:28 CST		0	Source: Trained Spotter

Quarter-sized hail fell 1 mile northeast of Walnut, IL at 928 pm July 10.

Warm and humid conditions prevailed over the northwest Illinois July 10, as a warm front surged northward into Minnesota and Wisconsin. Several rounds of showers and thunderstorms were common across areas northeast of a line from Princeton, Illinois to Waterloo, Iowa, some of which were severe. Torrential rains, hail up to the size of a quarter, and wind gusts over 60 mph were observed with some of the severe thunderstorms.

BUREAU COUNTY --- 0.7 S SPRING VLY APT [41.32, -89.22]				
	07/12/08 02:05 CST		0	Hail (0.88 in)
	07/12/08 02:05 CST		0	Source: Trained Spotter

Nickel-sized hail fell about 5 miles west southwest of Peru, IL at 3:05 am July 12.

BUREAU COUNTY --- 0.7 S SPRING VLY APT [41.32, -89.22]				
	07/12/08 02:05 CST		0	Thunderstorm Wind (EG 61 kt)
	07/12/08 02:05 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Wind gusts estimated to be 60 to 70 mph were observed about 5 miles west southwest of Peru, IL at 3:05 am July 12.				
PUTNAM COUNTY --- 1.2 ENE HENNEPIN [41.26, -89.33], 0.6 NNW STANDARD [41.26, -89.18], 0.9 E MAGNOLIA [41.12, -89.18], 5.4 W MAGNOLIA [41.12, -89.30]				
	07/12/08 08:25 CST		50K	Flash Flood (due to Heavy Rain)
	07/12/08 10:30 CST		0	Source: Emergency Manager

Torrential rains eroded several roads south and west of McNabb, IL and in the vicinity of Florid, IL during the morning of July 12.

A cold front produced some showers and thunderstorms across northern Illinois during the early morning hours of July 12. Some of the storms produced wind gusts over 58 mph, nickel-sized hail, and heavy rains resulting in some flash flooding.

MCDONOUGH COUNTY --- 0.5 W PRAIRIE CITY [40.62, -90.46]				
	07/21/08 03:40 CST		0	Thunderstorm Wind (EG 61 kt)
	07/21/08 03:40 CST		0	Source: Fire Department/Rescue

Wind gusts estimated to be 60 to 70 mph blew some 7 to 8 inch diameter tree branches down in Prairie City, IL at 440 am July 21.

ROCK ISLAND COUNTY --- ILLINOIS CITY [41.40, -90.90]				
	07/21/08 04:48 CST		0	Thunderstorm Wind (EG 52 kt)
	07/21/08 04:48 CST		0	Source: Trained Spotter

Wind gusts estimated to be 60 mph blew several items off a porch of a residence in Illinois City, IL at 548 am July 21.

ROCK ISLAND COUNTY --- 1.0 ENE ROCK IS [41.51, -90.56], 1.1 NNE BLACKHAWK STATE PARK [41.48, -90.56]				
	07/21/08 05:00 CST		0	Thunderstorm Wind (EG 61 kt)
	07/21/08 05:00 CST		0	Source: Trained Spotter

Wind gusts estimated to be 70 mph blew down several trees and branches on 26th Street in Rock Island, IL at 600 am July 21.

HENRY COUNTY --- 1.1 SSE GREEN ROCK [41.46, -90.36], 0.3 WSW GENESEO [41.45, -90.16]				
	07/21/08 05:10 CST		0	Thunderstorm Wind (EG 61 kt)
	07/21/08 05:10 CST		0	Source: Trained Spotter

Wind gusts estimated to be 70 mph blew down several trees along Highway 6 from Colona, IL toward Cambridge, IL around 610 am July 21. Some of the trees were 24 inches in diameter. Areas of flattened corn were also observed.

MERCER COUNTY --- 1.6 E GRIFFIN [41.23, -90.45]				
	07/21/08 05:10 CST		0	Hail (0.88 in)
	07/21/08 05:10 CST		0	Source: Trained Spotter

Nickel-sized hail fell 2 miles north of New Windsor, IL at 610 am July 21.

MERCER COUNTY --- 1.6 E GRIFFIN [41.23, -90.45]				
	07/21/08 05:10 CST		25K	Thunderstorm Wind (EG 61 kt)
	07/21/08 05:10 CST		0	Source: Trained Spotter

Wind gusts estimated to be 70 mph uprooted three mature trees, snapped 6 to 12 inch diameter tree limbs off of healthy trees, and ripped shingles off of some roofs about 2 miles north of New Windsor, IL at 610 am July 21. In addition, the outer rows of some area corn fields were leaning over at a 45 degree angle.

ROCK ISLAND COUNTY --- 0.2 WSW (MLI) QUAD CITY ARPT [41.45, -90.52]				
	07/21/08 05:10 CST		0	Thunderstorm Wind (MG 70 kt)
	07/21/08 05:10 CST		0	Source: ASOS

A wind gust measuring 81 mph was recorded by the Automated Surface Observing System (ASOS) at the Quad City International Airport in Moline, IL at 610 am July 21.

WARREN COUNTY --- 1.5 SSW ELEANOR [40.96, -90.71]				
	07/21/08 05:10 CST		0	Hail (0.88 in)
	07/21/08 05:10 CST		0	Source: Trained Spotter

Nickel-sized hail fell 5 miles northwest of Monmouth, IL at 610 am July 21.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WARREN COUNTY --- 1.6 W LITTLE YORK [41.02, -90.78]				
	07/21/08 05:10 CST		0	Thunderstorm Wind (EG 52 kt)
	07/21/08 05:10 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph were observed 10 miles northwest of Monmouth, IL at 610 am July 21.				
ROCK ISLAND COUNTY --- 1.7 ESE MOLINE [41.49, -90.49]				
	07/21/08 05:11 CST		0	Thunderstorm Wind (EG 52 kt)
	07/21/08 05:11 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down a large tree branch in Moline, IL at 611 am July 21. A power outage was also observed.				
ROCK ISLAND COUNTY --- 1.0 W OAK GROVE [41.42, -90.59]				
	07/21/08 05:12 CST		0	Thunderstorm Wind (EG 70 kt)
	07/21/08 05:12 CST		0	Source: Trained Spotter
Wind gusts estimated to be 80 mph were observed 4 miles south of Rock Island, IL at 612 am July 21.				
MERCER COUNTY --- 1.7 WSW SHERRARD [41.31, -90.53]				
	07/21/08 05:13 CST		0	Thunderstorm Wind (EG 61 kt)
	07/21/08 05:13 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew down some large tree branches 1 mile west southwest of Sherrard, IL at 613 am July 21.				
MERCER COUNTY --- 1.7 WSW SHERRARD [41.31, -90.53]				
	07/21/08 05:13 CST		0	Thunderstorm Wind (EG 61 kt)
	07/21/08 05:13 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph were observed 1 mile west southwest of Sherrard, IL at 613 am July 21.				
HENRY COUNTY --- 0.4 SSW GREEN RIVER [41.47, -90.32]				
	07/21/08 05:15 CST	2	0	Thunderstorm Wind (EG 78 kt)
	07/21/08 05:15 CST	4	0	Source: Newspaper
Wind gusts estimated to be 90 mph toppled over 100 trees at the Indian Trails Resort in Colona, IL around 615 am July 21. One tree fell onto a tent killing a 4 year old boy and a 9 month old girl and injuring four other children. A family pet (dog) was also killed.				
Direct Fatalities: M4CA, F0CA				
HENRY COUNTY --- WOODHULL [41.18, -90.32]				
	07/21/08 05:15 CST		0	Thunderstorm Wind (EG 61 kt)
	07/21/08 05:15 CST		0	Source: COOP Observer
Wind gusts estimated to be 70 mph blew down several 8 to 10 inch diameter tree limbs in Woodhull, IL around 615 am July 21.				
ROCK ISLAND COUNTY --- 1.0 E (MLI) QUAD CITY ARPT [41.45, -90.50]				
	07/21/08 05:15 CST		0	Thunderstorm Wind (EG 70 kt)
	07/21/08 05:15 CST		0	Source: Other Federal Agency
Wind gusts estimated to be 80 mph snapped numerous trees off in the vicinity of the Quad City International Airport in Moline, IL at 615 am July 21.				
ROCK ISLAND COUNTY --- 1.0 E (MLI) QUAD CITY ARPT [41.45, -90.50]				
	07/21/08 05:15 CST		0	Thunderstorm Wind (MG 82 kt)
	07/21/08 05:15 CST		0	Source: Other Federal Agency
A wind gust measuring 94 mph was recorded by a coastal observing system at the Quad City International Airport in Moline, IL at 615 am July 21.				
HENRY COUNTY --- CAMBRIDGE [41.30, -90.20]				
	07/21/08 05:20 CST		0	Thunderstorm Wind (EG 52 kt)
	07/21/08 05:20 CST		0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Wind gusts estimated to be at least 60 mph were observed 1 mile west of Cambridge, IL at 620 am July 21.				

HENRY COUNTY --- CAMBRIDGE [41.30, -90.20]

07/21/08 05:20 CST	15K	Thunderstorm Wind (EG 61 kt)
07/21/08 05:20 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 mph blew a tree down onto a garage about 1 mile west of Cambridge, IL at 620 am July 21. Several four inch diameter branches were also blown down across the area.

HENRY COUNTY --- 1.0 SE GREEN ROCK [41.46, -90.36], 2.3 ESE ANNAWAN [41.39, -89.88]

07/21/08 05:21 CST	0	Thunderstorm Wind (EG 61 kt)
07/21/08 05:21 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 mph blew down several trees across Highway 6 in Henry County Illinois around 621 am July 21 forcing its closure.

HENRY COUNTY --- 0.7 W GENESEO [41.45, -90.16]

07/21/08 05:25 CST	50K	Thunderstorm Wind (EG 65 kt)
07/21/08 05:25 CST	0	Source: Trained Spotter

Wind gusts estimated to be 75 mph blew down several large trees and damaged business signs and roofs mainly on the west side of Geneseo, IL around 625 am July 21.

HENRY COUNTY --- 2.3 NNE ATKINSON [41.45, -90.00]

07/21/08 05:35 CST	5K	Thunderstorm Wind (EG 65 kt)
07/21/08 05:35 CST	0	Source: Trained Spotter

Wind gusts estimated to be 75 mph snapped an 18 inch diameter spruce tree in half about 10 feet above the ground and damaged a chimney about 2 miles north northeast of Atkinson, IL at 635 am July 21.

BUREAU COUNTY --- 1.7 NE PRINCETON [41.39, -89.45]

07/21/08 05:59 CST	0	Thunderstorm Wind (EG 52 kt)
07/21/08 05:59 CST	0	Source: Trained Spotter

Wind gusts estimated to be 60 mph blew down some 4 to 5 inch diameter tree branches about 1 mile northeast of Princeton, IL at 659 am July 21.

BUREAU COUNTY --- 0.7 N PRINCETON [41.38, -89.47]

07/21/08 06:00 CST	0	Thunderstorm Wind (EG 61 kt)
07/21/08 06:00 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 mph blew down several tree limbs in Princeton, IL around 700 am July 21. A power outage was also observed.

BUREAU COUNTY --- 0.7 N PRINCETON [41.38, -89.47]

07/21/08 06:00 CST	0	Thunderstorm Wind (MG 73 kt)
07/21/08 06:00 CST	0	Source: Trained Spotter

A wind gust measuring 84 mph was recorded in Princeton, IL around 700 am July 21.

BUREAU COUNTY --- MALDEN [41.42, -89.37]

07/21/08 06:04 CST	10K	Thunderstorm Wind (EG 65 kt)
07/21/08 06:04 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 to 75 mph blew down some small trees and power lines near Malden, IL at 704 am July 21.

BUREAU COUNTY --- 0.9 NE PRINCETON [41.38, -89.46]

07/21/08 06:05 CST	0	Thunderstorm Wind (EG 70 kt)
07/21/08 06:05 CST	0	Source: Trained Spotter

Wind gusts estimated to be 80 mph blew down numerous large trees up to 3 feet in diameter in and around Princeton, IL at 705 am July 21.

PUTNAM COUNTY --- 2.5 WSW MC NABB [41.16, -89.26]

07/21/08 06:05 CST	0	Thunderstorm Wind (EG 61 kt)
07/21/08 06:05 CST	0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Wind gusts estimated to be 70 mph blew down some large tree limbs about 3 miles west southwest of Mc Nabb, IL at 705 am July 21.

A bowing line of severe thunderstorms, known as a Derecho, raced across Iowa and Illinois during the early morning hours of July 21 producing widespread wind damage in about a 60 mile wide swath just south of Interstate 80. Winds gusting over 70 miles an hour toppled trees, ripped siding and shingles off homes and businesses, and left much of the region without power. A tree fell onto a tent at the Indian Trails Resort in Colona, IL killing two children and a dog and injuring 4 other children.

MCDONOUGH COUNTY --- 2.7 WSW NEW PHILADELPHIA [40.47, -90.52]

07/21/08 19:28 CST	0	Thunderstorm Wind (EG 61 kt)
07/21/08 19:28 CST	0	Source: Public

Wind gusts estimated to be 70 mph were observed 3 miles southeast of Bardolph, IL at 828 pm July 21.

MCDONOUGH COUNTY --- 3.4 NW MACOMB [40.50, -90.72]

07/21/08 19:28 CST	0	Thunderstorm Wind (MG 56 kt)
07/21/08 19:28 CST	0	Source: Trained Spotter

Wind gusts measuring 65 mph were observed 3 miles northwest of Macomb, IL at 828 pm July 21.

MCDONOUGH COUNTY --- 3.5 WNW PENNINGTON PT [40.42, -90.61]

07/21/08 19:40 CST	0	Thunderstorm Wind (EG 56 kt)
07/21/08 19:40 CST	0	Source: Public

Wind gusts estimated to be 60 to 65 mph flattened part of a corn field 5 miles southeast of Macomb, IL around 840 pm July 21.

A cluster of showers and thunderstorms moved eastward across northern Missouri and central Illinois during the evening of July 21, with one storm cell producing some damaging winds in parts of Mc Donough County.

HANCOCK COUNTY --- 4.8 S WARSAW [40.28, -91.42]

07/27/08 18:30 CST	0	Thunderstorm Wind (EG 61 kt)
07/27/08 18:30 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 mph were observed on County Road 12 four miles west of Sutter, IL at 730 pm July 27.

HANCOCK COUNTY --- 0.7 W SUTTER [40.28, -91.34]

07/27/08 18:40 CST	5K	Thunderstorm Wind (EG 61 kt)
07/27/08 18:40 CST	0	Source: Public

Wind gusts estimated to be over 70 mph flipped a car over in Sutter, IL around 740 pm July 27. This report was relayed by the National Weather Service Office in Lincoln, IL.

HENDERSON COUNTY --- 4.9 WSW LOMAX [40.64, -91.15]

07/27/08 18:56 CST	5K	Thunderstorm Wind (EG 52 kt)
07/27/08 18:56 CST	0	Source: Emergency Manager

Wind gusts estimated to be over 60 mph blew some trees and power lines down in the Dallas City, IL area around 756 pm July 27. One tree was blocking Route 96 on the northeast side of town in Henderson County.

HANCOCK COUNTY --- 0.9 SW CARTHAGE [40.41, -91.14]

07/27/08 19:00 CST	5K	Thunderstorm Wind (EG 56 kt)
07/27/08 19:00 CST	0	Source: Fire Department/Rescue

Wind gusts estimated to be 65 mph snapped the top of a tree off along Main Street in Carthage, IL around 800 pm July 27. The tree fell onto some power lines snapping one line and damaging a utility pole. Portions of some area corn fields just outside of town were also flattened.

MCDONOUGH COUNTY --- 0.7 W INDUSTRY [40.33, -90.61], 0.0 N INDUSTRY [40.33, -90.60], 0.6 S INDUSTRY [40.32, -90.60], 0.9 SW INDUSTRY [40.32, -90.61]

07/27/08 20:30 CST	15K	Flash Flood (due to Heavy Rain)
07/27/08 22:00 CST	0	Source: Trained Spotter

Torrential rains resulted in flash flooding of a church in Industry, IL during the evening of July 27. Standing water was also observed in the area.

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An upper level disturbance moved southeast across Iowa, northeast Missouri, and Illinois during the evening of July 27 bringing showers and thunderstorms to the region. Some of the thunderstorms surpassed severe thresholds by producing damaging winds over 60 mph. Torrential rains and subsequent flash flooding problems were also observed.				
WARREN COUNTY --- 0.7 S LITTLE YORK [41.01, -90.75]				
	07/29/08 16:34 CST		0	Thunderstorm Wind (EG 56 kt)
	07/29/08 16:34 CST		0	Source: Law Enforcement
Wind gusts estimated to be 65 mph blew down some trees in Little York, IL at 5:34 pm July 29.				
MERCER COUNTY --- 1.7 WSW SHERRARD [41.31, -90.53]				
	07/29/08 16:55 CST		0	Thunderstorm Wind (EG 52 kt)
	07/29/08 16:55 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph were observed just west southwest of Sherrard, IL at 5:55 pm July 29.				
A cold front moved across the Mississippi River Valley Region during the late afternoon and evening hours of July 29 bringing a large area of showers and thunderstorms to eastern Iowa, northeast Missouri, and the northern two thirds of Illinois. Some of the thunderstorms produced damaging winds and large hail, as well as torrential rains and subsequent flash flooding.				
JO DAVIESS COUNTY --- 0.5 W GALENA [42.42, -90.43]				
	07/31/08 11:00 CST		0	Thunderstorm Wind (EG 52 kt)
	07/31/08 11:00 CST		0	Source: COOP Observer
Wind gusts estimated to be 60 mph blew down a 3 to 4 inch diameter branch in Galena, IL around 12:00 pm July 31.				
JO DAVIESS COUNTY --- 0.5 W GALENA [42.42, -90.43]				
	07/31/08 11:05 CST		0	Thunderstorm Wind (EG 56 kt)
	07/31/08 11:05 CST		0	Source: Law Enforcement
Wind gusts estimated to be 65 mph blew down some tress and tree limbs in Galena, IL around 12:05 pm July 31.				
JO DAVIESS COUNTY --- HANOVER [42.25, -90.28]				
	07/31/08 11:15 CST		0	Thunderstorm Wind (EG 56 kt)
	07/31/08 11:15 CST		0	Source: Law Enforcement
Wind gusts estimated to be 65 mph blew down some trees and tree limbs in Hanover, IL around 12:15 pm July 31.				
STEPHENSON COUNTY --- 1.4 NW KENT [42.31, -89.92]				
	07/31/08 11:29 CST		0	Thunderstorm Wind (EG 61 kt)
	07/31/08 11:29 CST		0	Source: Trained Spotter
Wind gusts measured to be 70 mph were observed near Kent, IL at 12:29 pm July 31.				
STEPHENSON COUNTY --- 1.4 NW KENT [42.31, -89.92]				
	07/31/08 11:35 CST		0	Hail (0.75 in)
	07/31/08 11:35 CST		0	Source: Trained Spotter
Dime-sized hail fell near Kent, IL at 12:35 pm July 31.				
STEPHENSON COUNTY --- 1.5 WNW WINSLOW [42.50, -89.83]				
	07/31/08 11:35 CST		25K	Thunderstorm Wind (EG 61 kt)
	07/31/08 11:35 CST	1	0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew down a pole barn on State Line Rd and Swiss Rd near Winslow, IL at 12:35 pm July 31. One person was injured with several fractures.				
CARROLL COUNTY --- 1.4 N LANARK [42.12, -89.83]				
	07/31/08 11:40 CST		0	Thunderstorm Wind (EG 56 kt)
	07/31/08 11:40 CST		0	Source: Fire Department/Rescue
Wind gusts estimated to be 65 mph were observed just north of Lanark, IL at 12:40 pm July 31.				

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A thunderstorm complex raced southeast out of Minnesota through northeast Iowa and northern Illinois during the late morning and early afternoon hours of July 31 producing winds in excess of 60 mph and some large hail. Near Winslow, IL, one person received several fractures when the pole barn they were in collapsed.

IOWA, East Central and Southeast

JACKSON COUNTY --- 2.1 S SPRINGBROOK [42.14, -90.48]

07/02/08 13:20 CST	0	Hail (0.88 in)
07/02/08 13:20 CST	0	Source: Public

Nickel-sized hail fell 2 miles south of Springbrook, IA at 220 pm July 2.

DUBUQUE COUNTY --- 0.9 SW FARLEY [42.44, -91.01]

07/02/08 15:35 CST	5K	Thunderstorm Wind (EG 52 kt)
07/02/08 15:35 CST	0	Source: Emergency Manager

Wind gusts estimated to be 60 mph blew down some power lines in Farley, IA at 435 pm July 2.

DUBUQUE COUNTY --- 1.0 E DYERSVILLE [42.48, -91.10]

07/02/08 15:35 CST	5K	Thunderstorm Wind (EG 56 kt)
07/02/08 15:35 CST	0	Source: Emergency Manager

Wind gusts estimated to be 65 mph uprooted a tree and blew down power lines just east of Dyersville, IA at 435 pm July 2.

IOWA COUNTY --- 1.2 SE VICTOR [41.72, -92.28]

07/02/08 15:54 CST	0	Hail (1.00 in)
07/02/08 15:54 CST	0	Source: Trained Spotter

Quarter-sized hail fell 1 mile southeast of Victor, IA at 454 pm July 2.

LINN COUNTY --- 1.2 SE PRAIRIEBURG [42.22, -91.40]

07/02/08 16:00 CST	0	Hail (0.88 in)
07/02/08 16:00 CST	0	Source: Public

Nickel-sized hail fell 2 miles southeast of Prairieburg, IA at 500 pm July 2.

BENTON COUNTY --- 2.2 ESE VAN HORNE [42.01, -92.04], 2.6 NW NEWHALL [42.01, -92.01]

07/02/08 16:10 CST	0.10M	Tornado (EF1, L: 1.54 mi , W: 75 yd)
07/02/08 16:11 CST	0	Source: Emergency Manager

An EF1 tornado damaged a hog confinement, a barn, and some grain bins and machine sheds along a 1 mile path located about 2 to 3 miles east of Van Horne, IA around 510 pm July 2.

JONES COUNTY --- 0.7 S ANAMOSA [42.11, -91.28]

07/02/08 16:22 CST	0	Hail (0.75 in)
07/02/08 16:22 CST	0	Source: Emergency Manager

Penny-sized hail fell in Anamosa, IA at 522 pm July 2.

JONES COUNTY --- 1.0 W ANAMOSA [42.12, -91.30], 0.7 E ANAMOSA [42.12, -91.27], 0.7 E WAPSIPINICON SP [42.10, -91.27], 1.1 W WAPSIPINICON SP [42.10, -91.30]

07/02/08 16:30 CST	0	Flash Flood (due to Heavy Rain)
07/02/08 18:00 CST	0	Source: Emergency Manager

Heavy rains caused some flash flooding of two streets in Anamosa, IA during the early evening hours of July 2.

IOWA COUNTY --- 0.5 NNW LADORA [41.76, -92.18]

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/02/08 16:40 CST		0	Hail (0.75 in)
	07/02/08 16:40 CST		0	Source: Public
Penny-sized hail fell in Ladora, IA at 540 pm July 2. This report was relayed by the Iowa County Communications Center.				
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LINN COUNTY --- 1.2 SE PRAIRIEBURG [42.22, -91.40]				
	07/02/08 16:45 CST		0	Hail (0.88 in)
	07/02/08 16:45 CST		0	Source: Public
Nickel-sized hail fell 2 miles southeast of Prairieburg, IA at 545 pm July 2. The hail covered the ground. Wind gusts were estimated to be 70 mph.				
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LINN COUNTY --- 1.2 SE PRAIRIEBURG [42.22, -91.40]				
	07/02/08 16:45 CST		0	Thunderstorm Wind (EG 61 kt)
	07/02/08 16:45 CST		0	Source: Public
Wind gusts were estimated to be 70 mph 2 miles southeast of Prairieburg, IA at 545 pm July 2.				
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LINN COUNTY --- 2.0 W ELY [41.87, -91.62], 2.1 ESE WAUBEEK [42.17, -91.46], 5.7 NE VIOLA [42.16, -91.31], 1.5 SSE ELY [41.85, -91.57]				
	07/02/08 17:25 CST		15K	Flash Flood (due to Heavy Rain)
	07/02/08 20:00 CST		0	Source: Emergency Manager
Heavy rains caused flash flooding in Springville, IA, and Ely, IA during the evening of July 2. In addition, Hart Road, which is about 5 miles south southeast of Prairieburg, was washed out as a result of the flooding rains.				
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JOHNSON COUNTY --- 1.4 NNE IOWA CITY MUNI ARPT [41.65, -91.54], 1.7 NE IOWA CITY MUNI ARPT [41.65, -91.53], 1.5 NE IOWA CITY MUNI ARPT [41.64, -91.53], 1.1 NE IOWA CITY MUNI ARPT [41.64, -91.54]				
	07/02/08 18:35 CST		0	Flash Flood (due to Heavy Rain)
	07/02/08 21:00 CST		0	Source: Trained Spotter
Heavy rains caused flash flooding at the intersection of Highway 6 and South Gilbert Street in Iowa City, IA during the evening of July 2.				
A cold front moved southeast across eastern Iowa July 2, sparking some showers and thunderstorms. Some of the storms were severe producing penny to quarter-sized hail, damaging winds, heavy rains and flash flooding, and a tornado.				
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BUCHANAN COUNTY --- 0.5 W INDEPENDENCE [42.47, -91.89]				
	07/07/08 03:00 CST		1K	Thunderstorm Wind (EG 52 kt)
	07/07/08 03:00 CST		0	Source: COOP Observer
Wind gusts estimated to be 60 mph damaged some fences, light poles, and signs near the Wal-Mart on the north side of Independence, IA around 4:00 am July 7. Portions of some nearby corn fields were also blown down.				
A thunderstorm produced damaging winds during the pre-dawn hours of July 7 in Independence, IA.				
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MUSCATINE COUNTY --- 1.7 ESE MOSCOW [41.57, -91.05]				
	07/07/08 15:58 CST		0	Hail (1.00 in)
	07/07/08 15:58 CST		0	Source: Law Enforcement
Quarter-sized hail fell 2 miles southwest of Wilton, IA at 458 pm July 7.				
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CEDAR COUNTY --- 1.0 E MECHANICSVILLE [41.90, -91.25]				
	07/07/08 16:11 CST		0	Thunderstorm Wind (EG 52 kt)
	07/07/08 16:11 CST		0	Source: Law Enforcement
Wind gusts estimated to be 60 mph were observed in Mechanicsville, IA at 511 pm July 7.				
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JONES COUNTY --- 0.5 W OLIN [42.00, -91.14]				
	07/07/08 16:26 CST		10K	Thunderstorm Wind (EG 61 kt)
	07/07/08 16:26 CST		0	Source: Emergency Manager
Wind gusts estimated to be 70 mph blew a tree down across a car in Olin, IA around 526 pm July 7.				
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JONES COUNTY --- 0.5 W OLIN [42.00, -91.14]				

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/07/08 16:28 CST		0	Thunderstorm Wind (EG 52 kt)
	07/07/08 16:28 CST		0	Source: Fire Department/Rescue

Wind gusts estimated to be 60 mph were observed in Olin, IA at 528 pm July 7. This report was relayed by the Jones County Sheriff's Office.

BENTON COUNTY --- 0.5 W NORWAY [41.90, -91.93]

07/07/08 19:30 CST	0	Thunderstorm Wind (EG 52 kt)
07/07/08 19:30 CST	0	Source: Trained Spotter

Wind gusts measured to be 60 mph were observed in Norway, IA at 830 pm July 7. Sustained wind speeds of 50 mph were also observed for a brief period.

LINN COUNTY --- 3.5 S CEDAR RAPIDS [41.95, -91.66]

07/07/08 19:40 CST	0	Thunderstorm Wind (EG 52 kt)
07/07/08 19:40 CST	0	Source: Trained Spotter

Wind gusts estimated to be 60 mph were observed 1 mile south southeast of Cedar Rapids, IA at 840 pm July 7.

LINN COUNTY --- 2.9 SE CEDAR RAPIDS [41.97, -91.61]

07/07/08 19:46 CST	0	Thunderstorm Wind (EG 61 kt)
07/07/08 19:46 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 mph were observed 3 miles east of Cedar Rapids, IA at 846 pm July 7.

JOHNSON COUNTY --- 0.7 S SWISHER [41.84, -91.70]

07/07/08 19:59 CST	5K	Thunderstorm Wind (EG 52 kt)
07/07/08 19:59 CST	0	Source: Emergency Manager

Wind gusts estimated to be 60 mph caused a power outage in Swisher, IA at 859 pm July 7.

CEDAR COUNTY --- 0.9 SE SUNBURY [41.66, -90.92]

07/07/08 20:36 CST	0	Thunderstorm Wind (EG 52 kt)
07/07/08 20:36 CST	0	Source: Public

Wind gusts estimated to be 60 mph were observed 1 mile southeast of Sunbury, IA at 936 pm July 7. This report was relayed by a law enforcement official.

A cold front moved into eastern Iowa during the evening of July 7 producing showers and thunderstorms. Some of the storms surpassed severe thresholds producing hail larger than 3/4 of an inch in diameter and wind gusts over 58 mph.

DELAWARE COUNTY --- 1.5 NNW MANCHESTER [42.50, -91.46]

07/10/08 09:33 CST	0	Hail (0.88 in)
07/10/08 09:33 CST	0	Source: Emergency Manager

Nickel-sized hail fell 1 mile north of Manchester, IA at 1033 am July 10. Pea-sized hail fell in Manchester.

DELAWARE COUNTY --- 1.5 SSW MANCHESTER [42.46, -91.46]

07/10/08 11:20 CST	0	Hail (0.75 in)
07/10/08 11:20 CST	0	Source: Emergency Manager

Penny-sized hail fell 2 miles south of Manchester, IA at 1220 pm July 10.

DELAWARE COUNTY --- RYAN [42.35, -91.48]

07/10/08 11:25 CST	0	Thunderstorm Wind (EG 61 kt)
07/10/08 11:25 CST	0	Source: Fire Department/Rescue

Wind gusts estimated to be 70 mph blew down some 12 inch diameter tree limbs in Ryan, IA at 1225 pm July 10.

DELAWARE COUNTY --- 1.2 SE TURTLE CREEK PARK [42.41, -91.35]

07/10/08 11:33 CST	0	Hail (0.75 in)
07/10/08 11:33 CST	0	Source: Emergency Manager

Penny-sized hail fell 2 miles south southwest of Delhi, IA at 1233 pm July 10. Very heavy rain was also observed.

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DELAWARE COUNTY --- 2.8 S DELHI [42.39, -91.33]				
	07/10/08 11:38 CST		0	Hail (0.88 in)
	07/10/08 11:38 CST		0	Source: Emergency Manager
Nickel-sized hail fell 3 miles south of Delhi, IA at 1238 pm July 10.				
DELAWARE COUNTY --- 0.7 S DELHI [42.42, -91.33]				
	07/10/08 11:40 CST		0	Hail (1.00 in)
	07/10/08 11:40 CST		0	Source: Emergency Manager
Quarter-sized hail fell 1 mile south of Delhi, IA at 1240 pm July 10.				
DELAWARE COUNTY --- 0.9 NW SAND SPG [42.33, -91.19]				
	07/10/08 12:03 CST		0	Hail (1.00 in)
	07/10/08 12:03 CST		0	Source: Law Enforcement
Quarter-sized hail fell 3 miles east southeast of Hopkinton, IA near the intersection of Highway 38 and County Road X47 at 103 pm July 10.				
JONES COUNTY --- 0.5 E SCOTCH GROVE [42.18, -91.11]				
	07/10/08 12:10 CST		0	Hail (1.75 in)
	07/10/08 12:10 CST		0	Source: Fire Department/Rescue
Golf ball-sized hail fell 6 miles southeast of Monticello, IA at 110 pm July 10. Wind gusts between 60 and 70 mph were also observed. This report was relayed by Jones County Emergency Management.				
JONES COUNTY --- 6.0 SE MONTICELLO [42.17, -91.12]				
	07/10/08 12:10 CST		0	Thunderstorm Wind (EG 61 kt)
	07/10/08 12:10 CST		0	Source: Fire Department/Rescue
Wind gusts estimated to be 60 to 70 mph were observed 6 miles southeast of Monticello, IA at 110 pm July 10. This report was relayed by Jones County Emergency Management.				
JONES COUNTY --- 2.1 NNE ONSLOW [42.15, -91.01]				
	07/10/08 12:55 CST		0	Thunderstorm Wind (EG 52 kt)
	07/10/08 12:55 CST		0	Source: Emergency Manager
Wind gusts estimated to be 60 mph blew some corn crops over 3 miles north of Onslow, IA at 155 pm July 10.				
CLINTON COUNTY --- 6.0 WNW WELTON [41.93, -90.71], 3.0 W WELTON [41.90, -90.66]				
	07/10/08 13:10 CST		0.13M	Tornado (EF0, L: 3.43 mi , W: 100 yd)
	07/10/08 13:25 CST		0	Source: NWS Storm Survey
An EF0 tornado touched down just west of Welton, IA between 210 pm and 225 pm July 10. Four farms sustained damage mainly to outbuildings and a barn. Two of the outbuildings were destroyed. One residence sustained some shingle damage and another had a tree limb puncture the roof.				
CLINTON COUNTY --- 2.0 NNE DEWITT [41.85, -90.54]				
	07/10/08 13:42 CST		0	Tornado (EF0, L: 0.01 mi , W: 25 yd)
	07/10/08 13:47 CST		0	Source: NWS Storm Survey
An EF0 tornado touched down briefly just north of De Witt, IA around 245 pm July 10. No damage was reported.				
SCOTT COUNTY --- 1.5 SSE ELDRIDGE [41.65, -90.59]				
	07/10/08 13:55 CST		0	Thunderstorm Wind (EG 52 kt)
	07/10/08 13:55 CST		0	Source: NWS Employee
Wind gusts estimated to be 50 to 60 mph were observed in Eldridge, IA at 255 pm July 10.				
SCOTT COUNTY --- 1.5 SSE ELDRIDGE [41.65, -90.59]				
	07/10/08 13:58 CST		0	Thunderstorm Wind (EG 52 kt)
	07/10/08 13:58 CST		0	Source: NWS Employee
Wind gusts estimated to be 60 mph blew a tree over in Eldridge, IA at 258 pm July 10.				

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SCOTT COUNTY --- 1.6 SSE ELDRIDGE [41.65, -90.59]				
	07/10/08 13:58 CST		0	Thunderstorm Wind (EG 52 kt)
	07/10/08 13:58 CST		0	Source: NWS Employee
Wind gusts estimated to be 60 mph were observed in Eldridge, IA at 258 pm July 10.				
CLINTON COUNTY --- 2.1 NE LOW MOOR [41.84, -90.25]				
	07/10/08 14:10 CST		0	Hail (0.88 in)
	07/10/08 14:10 CST		0	Source: Law Enforcement
Nickel-sized hail fell 1 mile west of Clinton, IA at 310 pm July 10.				
CLINTON COUNTY --- 2.6 W BULGERS HOLLOW CP GD [41.93, -90.23]				
	07/10/08 14:10 CST		25K	Thunderstorm Wind (EG 56 kt)
	07/10/08 14:10 CST		0	Source: Law Enforcement
Wind gusts estimated to be 65 mph damaged a barn 6 miles north of Clinton, IA at 310 pm July 10.				
CLINTON COUNTY --- 2.1 NE LOW MOOR [41.84, -90.25]				
	07/10/08 14:21 CST		0	Hail (1.00 in)
	07/10/08 14:21 CST		0	Source: Law Enforcement
Quarter-sized hail fell 1 mile west of Clinton, IA at 321 pm July 10.				
BUCHANAN COUNTY --- 4.0 SSE MONTI [42.35, -91.63]				
	07/10/08 16:00 CST		0	Hail (0.88 in)
	07/10/08 16:00 CST		0	Source: Trained Spotter
Nickel-sized hail fell 2 miles south of Monti, IA at 500 pm July 10.				
DELAWARE COUNTY --- RYAN [42.35, -91.48]				
	07/10/08 16:50 CST		0	Hail (1.00 in)
	07/10/08 16:50 CST		0	Source: Emergency Manager
Quarter-sized hail fell in Ryan, IA at 550 pm July 10.				
DELAWARE COUNTY --- 0.9 SW MANCHESTER ARPT [42.49, -91.51]				
	07/10/08 17:00 CST		0	Hail (0.75 in)
	07/10/08 17:00 CST		0	Source: Emergency Manager
Penny-sized hail fell 3 miles west of Manchester, IA at 600 pm July 10.				
DELAWARE COUNTY --- 0.7 WSW MANCHESTER [42.48, -91.46]				
	07/10/08 17:12 CST		0	Hail (0.88 in)
	07/10/08 17:12 CST		0	Source: Emergency Manager
Nickel-sized hail fell on the far southern edge of Manchester, IA at 612 pm July 10. Pea-sized hail was widespread.				
DELAWARE COUNTY --- 0.7 S HOPKINTON [42.34, -91.25]				
	07/10/08 17:15 CST		0	Hail (1.25 in)
	07/10/08 17:15 CST		0	Source: Trained Spotter
Half dollar-sized hail fell in Hopkinton, IA around 615 pm July 10.				
DELAWARE COUNTY --- 0.7 WSW MANCHESTER [42.48, -91.46]				
	07/10/08 17:15 CST		0	Hail (1.00 in)
	07/10/08 17:15 CST		0	Source: Emergency Manager
Quarter-sized hail fell on the far southern edge of Manchester, IA at 615 pm July 10.				
DELAWARE COUNTY --- 0.6 NE BUCK CREEK [42.34, -91.34]				

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/10/08 17:20 CST		0	Hail (1.25 in)
	07/10/08 17:20 CST		0	Source: Trained Spotter
Half dollar-sized hail fell in Buck Creek, IA around 620 pm July 10.				
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DELAWARE COUNTY --- DELHI [42.43, -91.33]				
	07/10/08 17:25 CST		0	Hail (1.25 in)
	07/10/08 17:25 CST		0	Source: Trained Spotter
Half dollar-sized hail fell in Delhi, IA around 625 pm July 10.				
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JONES COUNTY --- 0.9 NE MONTICELLO [42.24, -91.19]				
	07/10/08 17:30 CST		0	Hail (0.75 in)
	07/10/08 17:30 CST		0	Source: Trained Spotter
Penny-sized hail fell in Monticello, IA at 630 pm July 10.				
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JONES COUNTY --- 0.9 NE MONTICELLO [42.24, -91.19]				
	07/10/08 17:37 CST		0	Hail (2.00 in)
	07/10/08 17:37 CST		0	Source: Trained Spotter
Two inch diameter hail fell in Monticello, IA at 637 pm July 10.				
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JONES COUNTY --- 0.6 N MONTICELLO [42.24, -91.20]				
	07/10/08 17:42 CST		0	Hail (2.00 in)
	07/10/08 17:42 CST		0	Source: Emergency Manager
Two inch diameter hail fell just west of Monticello, IA at 642 pm July 10.				
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JONES COUNTY --- 1.8 NNE MONTICELLO [42.26, -91.19]				
	07/10/08 17:42 CST		0	Hail (1.00 in)
	07/10/08 17:42 CST		0	Source: Emergency Manager
Quarter-sized hail fell just north of Monticello, IA at 642 pm July 10.				
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DUBUQUE COUNTY --- 1.2 SE WHITE PINE HOLLOW SP [42.62, -91.10]				
	07/10/08 18:52 CST		0	Thunderstorm Wind (EG 61 kt)
	07/10/08 18:52 CST		0	Source: Emergency Manager
Wind gusts estimated to be 70 mph damaged some trees near White Pine Hollow State Park 2 miles northwest of Luxemburg, IA at 752 pm July 10.				
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DUBUQUE COUNTY --- 1.5 NW HOLY CROSS [42.62, -91.00]				
	07/10/08 19:02 CST		0	Hail (1.75 in)
	07/10/08 19:02 CST		0	Source: Emergency Manager
Golf ball-sized hail fell 1 mile north of Holy Cross, IA at 802 pm July 10.				
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DELAWARE COUNTY --- 0.7 N COLESBURG [42.64, -91.20]				
	07/10/08 19:35 CST		0	Hail (1.75 in)
	07/10/08 19:35 CST		0	Source: Emergency Manager
Golf ball-sized hail fell in Colesburg, IA at 835 pm July 10.				
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DUBUQUE COUNTY --- 2.1 N LUXEBURG [42.63, -91.07]				
	07/10/08 19:46 CST		0	Hail (1.75 in)
	07/10/08 19:46 CST		0	Source: Trained Spotter
Golf ball-sized hail fell 2 miles north of Luxemburg, IA around 846 pm July 10.				

Warm and humid conditions prevailed over the eastern Iowa July 10, as a warm front surged northward into Minnesota and Wisconsin. Several rounds of showers and thunderstorms were common across areas northeast of a line from Princeton, Illinois to Waterloo, Iowa, some of which were severe. Torrential rains, hail up to the size of a golf ball, wind gusts over 60 mph, and isolated tornadoes were observed with some of the severe thunderstorms.

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BENTON COUNTY --- 0.9 SE GARRISON [42.14, -92.14]				
	07/12/08 01:04 CST		0	Thunderstorm Wind (EG 56 kt)
	07/12/08 01:04 CST		0	Source: Law Enforcement
Wind gusts estimated to be 65 mph blew a tree down onto some power lines in Garrison, IA at 2:04 am July 12.				
LINN COUNTY --- 3.2 NW MT VERNON [41.95, -91.46]				
	07/12/08 01:50 CST		0	Thunderstorm Wind (EG 52 kt)
	07/12/08 01:50 CST		0	Source: Trained Spotter
Wind gusts estimated to be 55 to 60 mph were observed near Mount Vernon, IA at 2:50 am July 12.				
A cold front sparked some showers and thunderstorms across eastern Iowa during the early morning hours of July 12 producing wind gusts over 58 mph.				
BUCHANAN COUNTY --- 1.8 NNW INDEPENDENCE [42.50, -91.89], 2.5 NE INDEPENDENCE [42.50, -91.85]				
	07/19/08 19:20 CST		0	Thunderstorm Wind (EG 56 kt)
	07/19/08 19:20 CST		0	Source: NWS Employee
Wind gusts estimated to be 60 mph damaged some crops north of Independence, IA at 820 pm July 19. The damage path was 200 yards wide and extended from approximately 2 miles north of Independence to approximately 2.5 miles northeast of Independence.				
BUCHANAN COUNTY --- 3.4 NE INDEPENDENCE [42.51, -91.84]				
	07/19/08 19:20 CST		20K	Thunderstorm Wind (EG 61 kt)
	07/19/08 19:20 CST		0	Source: NWS Employee
Wind gusts estimated to be 70 mph damaged a storage shed, ripped the roof off a grain bin, damaged some crops, blew a 3 foot diameter tree down, and blew 5 to 6 inch diameter tree limbs down about 4 miles northeast of Independence, IA at 820 pm July 19.				
BUCHANAN COUNTY --- 4.6 NE INDEPENDENCE [42.52, -91.82]				
	07/19/08 19:22 CST		50K	Thunderstorm Wind (EG 61 kt)
	07/19/08 19:22 CST		0	Source: NWS Employee
Wind gusts estimated to be 70 mph destroyed a barn about 5 miles northeast of Independence, IA at 822 pm July 19.				
BENTON COUNTY --- KEYSTONE [42.00, -92.20]				
	07/19/08 19:38 CST		0	Thunderstorm Wind (EG 52 kt)
	07/19/08 19:38 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down some tree branches 3 to 4 inches in diameter in Keystone, IA at 838 pm July 19.				
BENTON COUNTY --- KEYSTONE [42.00, -92.20]				
	07/19/08 19:38 CST		0	Thunderstorm Wind (EG 52 kt)
	07/19/08 19:38 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph were observed in Keystone, IA at 838 pm July 19.				
BUCHANAN COUNTY --- 0.5 E THREE ELMS CO PARK [42.45, -91.86]				
	07/19/08 19:38 CST		25K	Thunderstorm Wind (EG 61 kt)
	07/19/08 19:38 CST		0	Source: Law Enforcement
Wind gusts estimated to be 70 mph blew down some trees throughout Independence, IA, blew some grain bins over about 2 miles southeast of town, and blew some trees down across County Road W35 at 838 pm July 19.				
DELAWARE COUNTY --- 0.5 W MASONVILLE [42.48, -91.59]				
	07/19/08 20:00 CST		0	Thunderstorm Wind (EG 61 kt)
	07/19/08 20:00 CST		0	Source: Law Enforcement
Wind gusts estimated to be 70 mph blew 12 inch diameter trees down in Masonville, IA at 900 pm July 19.				
LINN COUNTY --- 0.8 ENE MARION [42.04, -91.59]				

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/19/08 20:12 CST		0	Thunderstorm Wind (EG 61 kt)
	07/19/08 20:12 CST		0	Source: Law Enforcement

Wind gusts estimated to be 70 mph blew a 2 foot diameter tree down across 25th Street in Marion, IA at 912 pm July 19. Traffic was blocked in both directions. A power outage was also observed in Hiawatha, IA.

DELAWARE COUNTY --- 0.7 S HOPKINTON [42.34, -91.25]

07/19/08 20:16 CST	0	Thunderstorm Wind (EG 61 kt)
07/19/08 20:16 CST	0	Source: Fire Department/Rescue

Wind gusts estimated to be 60 to 70 mph were observed in Hopkinton, IA at 916 pm July 19. This report was relayed by law enforcement officials.

JONES COUNTY --- 0.4 NW WAPSIPINICON SP [42.10, -91.29], 0.3 NNW WAPSIPINICON SP [42.10, -91.28]

07/19/08 20:20 CST	0	Thunderstorm Wind (EG 61 kt)
07/19/08 20:20 CST	0	Source: Law Enforcement

Wind gusts estimated to be 70 mph blew down a large tree across East 4th Street in Anamosa, IA at 920 pm July 19. The tree blocked the entire street.

JONES COUNTY --- 1.0 NW WAPSIPINICON SP [42.11, -91.30], 0.7 NE WAPSIPINICON SP [42.11, -91.27]

07/19/08 20:20 CST	0	Thunderstorm Wind (EG 61 kt)
07/19/08 20:20 CST	0	Source: Law Enforcement

Wind gusts estimated to be 70 mph blew down numerous 5 inch diameter tree limbs across Anamosa, IA at 920 pm July 19.

An upper level disturbance moved across the Upper Midwest during the evening of July 19 as a frontal boundary pushed into central Iowa. Showers and thunderstorms were the result across much of the region, some of which produced damaging wind gusts between 60 and 70 mph.

HENRY COUNTY --- 2.6 W OAKLAND MILLS [40.93, -91.67]

07/21/08 02:15 CST	0	Hail (0.88 in)
07/21/08 02:15 CST	0	Source: COOP Observer

Nickel-sized hail fell 3 miles west of Oakland Mills, IA at 315 am July 21.

HENRY COUNTY --- 0.6 WSW MT PLEASANT MUNI ARP [40.95, -91.51]

07/21/08 02:24 CST	0	Thunderstorm Wind (MG 63 kt)
07/21/08 02:24 CST	0	Source: AWOS

A 72 mph wind gust was measured at the Mount Pleasant Municipal Airport in Mount Pleasant, IA at 324 am July 21.

HENRY COUNTY --- 0.7 S MT PLEASANT [40.96, -91.55]

07/21/08 02:30 CST	0	Hail (0.75 in)
07/21/08 02:30 CST	0	Source: Public

Penny-sized hail fell in Mount Pleasant, IA around 330 am July 21.

HENRY COUNTY --- 0.7 S MT PLEASANT [40.96, -91.55]

07/21/08 02:30 CST	0	Thunderstorm Wind (EG 61 kt)
07/21/08 02:30 CST	0	Source: Public

Wind gusts estimated to be 70 mph snapped a tree in half and blew down numerous 4 to 5 inch diameter branches in Mount Pleasant, IA around 330 am July 21.

JEFFERSON COUNTY --- 1.4 N FAIRFIELD [41.02, -91.98]

07/21/08 02:57 CST	0	Hail (0.88 in)
07/21/08 02:57 CST	0	Source: Trained Spotter

Nickel-sized hail fell 1 mile northwest of Fairfield, IA at 357 am July 21.

IOWA COUNTY --- 0.5 E VICTOR [41.73, -92.29]

07/21/08 03:30 CST	0	Thunderstorm Wind (EG 56 kt)
07/21/08 03:30 CST	0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Wind gusts estimated to be 65 mph blew down some 4 to 6 inch diameter branches in Victor, IA around 430 am July 21.				
IOWA COUNTY --- 0.5 E VICTOR [41.73, -92.29]				
	07/21/08 03:30 CST		0	Thunderstorm Wind (MG 70 kt)
	07/21/08 03:30 CST		0	Source: Trained Spotter
A wind gust exceeding 70 knots (81 mph) was measured in Victor, IA around 430 am July 21.				
KEOKUK COUNTY --- 1.2 ENE DELTA [41.33, -92.31]				
	07/21/08 03:44 CST		0	Thunderstorm Wind (MG 57 kt)
	07/21/08 03:44 CST		0	Source: Mesonet
A wind gust measuring 66 mph was recorded by the Roadway Weather Information System (RWIS) located approximately 5.5 miles west of Sigourney, IA at 444 am July 21.				
IOWA COUNTY --- 0.7 NW WILLIAMSBURG [41.68, -92.01]				
	07/21/08 03:45 CST		25K	Thunderstorm Wind (EG 61 kt)
	07/21/08 03:45 CST		0	Source: Public
Wind gusts estimated to be 70 mph blew the roof off of a car wash about 1 mile north of Williamsburg, IA around 445 am July 21. This report was relayed by a broadcast media partner.				
IOWA COUNTY --- 0.9 SW WILLIAMSBURG [41.66, -92.01]				
	07/21/08 03:45 CST		0	Thunderstorm Wind (EG 61 kt)
	07/21/08 03:45 CST		0	Source: Broadcast Media
Wind gusts estimated to be 70 mph blew down several trees in Williamsburg, IA around 445 am July 21. This report was relayed by a broadcast media partner.				
JOHNSON COUNTY --- 0.9 NE LONE TREE [41.49, -91.42]				
	07/21/08 03:47 CST		0	Hail (0.88 in)
	07/21/08 03:47 CST		0	Source: Trained Spotter
Nickel-sized hail fell in Lone Tree, IA from 447 am to 451 am July 21. This report was relayed by another trained spotter in Iowa City.				
BENTON COUNTY --- 0.5 W NORWAY [41.90, -91.93]				
	07/21/08 03:55 CST		0	Thunderstorm Wind (MG 52 kt)
	07/21/08 03:55 CST		0	Source: Trained Spotter
A wind gust measuring 60 mph was observed in Norway, IA at 455 am July 21.				
JOHNSON COUNTY --- 0.5 E SHARON CENTER [41.57, -91.66], 0.5 NNE LONE TREE [41.49, -91.43]				
	07/21/08 04:00 CST		50K	Thunderstorm Wind (EG 61 kt)
	07/21/08 04:15 CST		0	Source: Emergency Manager
Wind gusts estimated to be 70 mph caused widespread wind damage from Sharon Center, IA to Lone Tree, IA between 500 am and 515 am July 21. Numerous trees and utility poles were blown down. Also a sign and awning were damaged at a gas station near Hills, IA.				
WASHINGTON COUNTY --- 0.5 E WASHINGTON [41.30, -91.69]				
	07/21/08 04:13 CST		0	Thunderstorm Wind (EG 61 kt)
	07/21/08 04:13 CST		0	Source: COOP Observer
Wind gusts estimated to be 70 mph blew down some tree limbs in Washington, IA around 513 am July 21.				
JOHNSON COUNTY --- 2.2 WNW RIVER JCT [41.51, -91.54]				
	07/21/08 04:15 CST		0	Hail (0.88 in)
	07/21/08 04:15 CST		0	Source: Trained Spotter
Nickel-sized hail fell 10 miles south of Iowa City, IA at 515 am July 21.				
JOHNSON COUNTY --- 2.2 WNW RIVER JCT [41.51, -91.54]				

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/21/08 04:15 CST		0	Thunderstorm Wind (EG 70 kt)
	07/21/08 04:15 CST		0	Source: Trained Spotter

Wind gusts estimated to be 80 mph were observed 10 miles south of Iowa City, IA at 515 am July 21.

JOHNSON COUNTY --- 2.3 NNW HILLS [41.58, -91.57]

07/21/08 04:15 CST	0	Thunderstorm Wind (EG 61 kt)
07/21/08 04:15 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 mph blew a pine tree down and a picnic table off a deck about 7 miles north of Riverside, IA at 515 am July 21.

JOHNSON COUNTY --- 0.9 NE LONE TREE [41.49, -91.42]

07/21/08 04:16 CST	0	Thunderstorm Wind (EG 61 kt)
07/21/08 04:16 CST	0	Source: Amateur Radio

Wind gusts estimated to be 70 mph were observed in Lone Tree, IA at 516 am July 21.

MUSCATINE COUNTY --- 1.3 WNW MUSCATINE [41.43, -91.07]

07/21/08 04:21 CST	0	Hail (0.75 in)
07/21/08 04:21 CST	0	Source: Trained Spotter

Penny-sized hail fell 1 mile north of Muscatine, IA at 521 am July 21.

JOHNSON COUNTY --- 0.9 NE LONE TREE [41.49, -91.42]

07/21/08 04:28 CST	5K	Thunderstorm Wind (EG 65 kt)
07/21/08 04:28 CST	0	Source: Amateur Radio

Wind gusts estimated to be 75 mph blew down several large tree limbs in Lone Tree, IA at 528 am July 21. Some of the limbs were 12 inches in diameter. A power outage was also observed.

MUSCATINE COUNTY --- 0.6 ESE MUSCATINE MUNI ARPT [41.37, -91.14], 1.0 NNW FRUITLAND [41.36, -91.14]

07/21/08 04:33 CST	0	Thunderstorm Wind (MG 55 kt)
07/21/08 04:33 CST	0	Source: AWOS

A wind gust measuring 63 mph was observed by the Automated Weather Observing System (AWOS) at the Muscatine Municipal Airport about 1 mile north northwest of Fruitland, IA at 533 am July 21.

MUSCATINE COUNTY --- 1.7 NE MUSCATINE [41.44, -91.03]

07/21/08 04:35 CST	0	Thunderstorm Wind (EG 61 kt)
07/21/08 04:35 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 mph were observed 3 miles east northeast of Muscatine, IA at 535 am July 21.

MUSCATINE COUNTY --- 1.0 W MUSCATINE [41.42, -91.07]

07/21/08 04:45 CST	0	Thunderstorm Wind (EG 52 kt)
07/21/08 04:45 CST	0	Source: Trained Spotter

Wind gusts estimated to be 60 mph were observed in Muscatine, IA at 545 am July 21.

MUSCATINE COUNTY --- 1.0 W MUSCATINE [41.42, -91.07]

07/21/08 04:45 CST	10K	Thunderstorm Wind (EG 65 kt)
07/21/08 04:45 CST	0	Source: Trained Spotter

Wind gusts estimated to be 65 mph blew down some 8 inch diameter tree limbs in Muscatine, IA at 545 am July 21. A power outage was also observed.

MUSCATINE COUNTY --- 1.6 NNW MUSCATINE [41.44, -91.06], 0.5 ENE MUSCATINE [41.42, -91.04]

07/21/08 04:45 CST	25K	Thunderstorm Wind (EG 61 kt)
07/21/08 04:45 CST	0	Source: Trained Spotter

Wind gusts estimated to be 70 mph blew down several trees and branches across Muscatine, IA around 545 am July 21. Some of the trees fell across Mulberry Avenue. Some homes were also damaged and a power outage was observed.

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MUSCATINE COUNTY --- 2.5 NNE MUSCATINE [41.45, -91.03], 1.1 E PLEASANT PRAIRIE [41.52, -90.86]				
	07/21/08 04:45 CST		1K	Thunderstorm Wind (EG 61 kt)
	07/21/08 04:45 CST		0	Source: Trained Spotter
Winds estimated to be 70 mph blew a shed into a ditch, blew highway signs over, and blew trees down across Highway 61 approximately 4 miles northeast of Muscatine, IA around 545 am July 21.				
MUSCATINE COUNTY --- 1.0 W MUSCATINE [41.42, -91.07]				
	07/21/08 04:46 CST		0	Thunderstorm Wind (EG 61 kt)
	07/21/08 04:46 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew down some trees in Muscatine, IA at 546 am July 21.				
MUSCATINE COUNTY --- 1.0 W MUSCATINE [41.42, -91.07]				
	07/21/08 04:46 CST		0	Thunderstorm Wind (MG 53 kt)
	07/21/08 04:46 CST		0	Source: Trained Spotter
A wind gust measuring 61 mph was observed in Muscatine, IA at 546 am July 21.				
MUSCATINE COUNTY --- 2.3 NNW MUSCATINE [41.45, -91.07]				
	07/21/08 04:54 CST		0	Thunderstorm Wind (MG 51 kt)
	07/21/08 04:54 CST		0	Source: COOP Observer
A wind gust measuring 59 mph was observed 2 miles north of Muscatine, IA at 554 am July 21. Several large trees were blown down across the area. The largest tree measured 3 feet in diameter. Heavy rains, measuring 1.39 inches in 30 minutes, resulted in some minor street flooding in the area.				
MUSCATINE COUNTY --- 1.0 E MONTPELIER [41.47, -90.80]				
	07/21/08 04:55 CST		25K	Thunderstorm Wind (EG 61 kt)
	07/21/08 04:55 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew several large tree branches down and ripped some siding off a residence in Montpelier, IA at 555 am July 21. A power outage was also observed.				
SCOTT COUNTY --- 4.2 SE MAYSVILLE [41.60, -90.68]				
	07/21/08 05:01 CST		0	Thunderstorm Wind (MG 51 kt)
	07/21/08 05:01 CST		0	Source: Mesonet
A wind gust measuring 59 mph was recorded by the Roadway Weather Information System at the I-80 and I-280 interchange located approximately 7 miles northwest of Davenport, IA at 601 am July 21.				
SCOTT COUNTY --- 0.9 NW PANORAMA PARK [41.56, -90.48]				
	07/21/08 05:15 CST		5K	Thunderstorm Wind (EG 56 kt)
	07/21/08 05:15 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph uprooted many trees in Bettendorf, IA around 615 am July 21. Some area roads were covered with storm damage debris. A power outage was also observed.				
SCOTT COUNTY --- 1.6 WNW PANORAMA PARK [41.56, -90.50]				
	07/21/08 05:15 CST		0	Thunderstorm Wind (EG 56 kt)
	07/21/08 05:15 CST		0	Source: NWS Employee
Wind gusts estimated to be 65 mph blew a 12 inch diameter tree down near 18th Street and Tanglefoot Lane in Bettendorf, IA around 615 am July 21.				
SCOTT COUNTY --- 2.8 NW PANORAMA PARK [41.58, -90.51]				
	07/21/08 05:15 CST		0	Thunderstorm Wind (EG 56 kt)
	07/21/08 05:15 CST		0	Source: NWS Employee
Wind gusts estimated to be 60 to 65 mph blew a 6 inch diameter tree branch down near Utica Ridge Road and 53rd Street in Davenport, IA around 615 am July 21.				
A bowling line of severe thunderstorms, known as a Derecho, raced across Iowa and Illinois during the early morning hours of July 21 producing widespread wind damage in about a 60 mile wide swath just south of Interstate 80. Winds gusting over 70 miles an hour toppled trees,				

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ripped siding and shingles off homes and businesses, and left much of the region without power.				
KEOKUK COUNTY --- 1.0 E WHAT CHEER [41.40, -92.35]				
	07/27/08 17:08 CST		0	Thunderstorm Wind (EG 52 kt)
	07/27/08 17:08 CST		0	Source: Law Enforcement
Wind gusts estimated to be 60 mph blew down some branches in What Cheer, IA at 608 pm July 27.				
KEOKUK COUNTY --- 0.5 E WHAT CHEER [41.40, -92.36]				
	07/27/08 17:10 CST		0	Thunderstorm Wind (EG 56 kt)
	07/27/08 17:10 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down a 4 foot diameter tree across a street in What Cheer, IA at 610 pm July 27.				
KEOKUK COUNTY --- 1.0 E WHAT CHEER [41.40, -92.35]				
	07/27/08 17:10 CST		0	Thunderstorm Wind (EG 56 kt)
	07/27/08 17:10 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down a 4 foot diameter tree across a street in What Cheer, IA at 610 pm July 27.				
WASHINGTON COUNTY --- 0.9 NE CLAY [41.19, -91.92]				
	07/27/08 17:28 CST		0	Thunderstorm Wind (EG 52 kt)
	07/27/08 17:28 CST		0	Source: Trained Spotter
Wind gusts estimated to be over 60 mph were observed 4 miles east of Richland, IA at 628 pm July 27. Heavy rain was also observed.				
JEFFERSON COUNTY --- 0.9 NE FAIRFIELD [41.01, -91.97]				
	07/27/08 17:37 CST		15K	Thunderstorm Wind (EG 61 kt)
	07/27/08 17:37 CST		0	Source: Law Enforcement
Wind gusts estimated to be 70 mph blew down several trees and power lines across all of Fairfield, IA around 637 pm July 27.				
JEFFERSON COUNTY --- 1.6 E FAIRFIELD [41.00, -91.95]				
	07/27/08 17:37 CST		50K	Thunderstorm Wind (EG 65 kt)
	07/27/08 17:37 CST		0	Source: Law Enforcement
Wind gusts estimated to be 75 mph blew the roof off a house at 1103 Kodi Circle in Fairfield, IA around 637 pm July 27.				
VAN BUREN COUNTY --- 1.0 W BIRMINGHAM [40.88, -91.95]				
	07/27/08 17:37 CST		5K	Thunderstorm Wind (EG 56 kt)
	07/27/08 17:37 CST		0	Source: Law Enforcement
Wind gusts estimated to be 65 mph blew down numerous trees and power lines in Birmingham, IA at 637 pm July 27. A power outage was also observed.				
VAN BUREN COUNTY --- 0.5 W KEOSAUQUA [40.73, -91.96]				
	07/27/08 17:45 CST		5K	Thunderstorm Wind (EG 56 kt)
	07/27/08 17:45 CST		0	Source: Law Enforcement
Wind gusts estimated to be 65 mph blew down numerous trees and power lines in Keosauqua, IA at 645 pm July 27. A power outage was also observed.				
VAN BUREN COUNTY --- 1.1 W BONAPARTE [40.70, -91.80]				
	07/27/08 17:50 CST		5K	Thunderstorm Wind (EG 56 kt)
	07/27/08 17:50 CST		0	Source: Law Enforcement
Wind gusts estimated to be 65 mph blew down numerous trees and power lines in Bonaparte, IA at 650 pm July 27. A power outage was also observed.				
VAN BUREN COUNTY --- 1.3 WSW MT ZION [40.77, -91.94]				
	07/27/08 17:52 CST		0	Thunderstorm Wind (EG 56 kt)
	07/27/08 17:52 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down several tree limbs 3 miles north northeast of Keosauqua, IA at 652 pm July 27.				

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
VAN BUREN COUNTY --- 0.9 SW FARMINGTON [40.64, -91.74]				
	07/27/08 17:55 CST		5K	Thunderstorm Wind (EG 56 kt)
	07/27/08 17:55 CST		0	Source: Law Enforcement
Wind gusts estimated to be 65 mph blew down numerous trees and power lines in Farmington, IA at 655 pm July 27. A power outage was also observed.				
VAN BUREN COUNTY --- 1.1 W BONAPARTE [40.70, -91.80]				
	07/27/08 17:55 CST		20K	Thunderstorm Wind (EG 56 kt)
	07/27/08 17:55 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down numerous trees and power lines near Bonaparte, IA around 655 pm July 27. A power outage was observed for most of the eastern half of Van Buren County.				
VAN BUREN COUNTY --- 0.9 WSW FARMINGTON [40.64, -91.75], 0.8 NE INDIAN LAKE PARK [40.64, -91.74]				
	07/27/08 18:00 CST		50K	Thunderstorm Wind (EG 56 kt)
	07/27/08 18:00 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down several trees and power lines in Farmington, IA around 700 pm July 27. One tree fell on a house at 519 N. 2nd Street. Another tree fell on a car on Washington Street. Additional tree damage was reported near Pearl Street and 4th Street.				
LEE COUNTY --- CROTON [40.58, -91.68]				
	07/27/08 18:05 CST		5K	Thunderstorm Wind (EG 56 kt)
	07/27/08 18:05 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down some trees and power lines in Croton, IA around 705 pm July 27.				
JEFFERSON COUNTY --- 0.9 NE FAIRFIELD [41.01, -91.97]				
	07/27/08 18:10 CST		0	Thunderstorm Wind (EG 56 kt)
	07/27/08 18:10 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down several branches in Fairfield, IA at 710 pm July 27.				
JEFFERSON COUNTY --- 1.5 NNE COLLETT [40.92, -91.97]				
	07/27/08 18:10 CST		0	Thunderstorm Wind (EG 52 kt)
	07/27/08 18:10 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down numerous trees 6 miles south of Fairfield, IA at 710 pm July 27.				
VAN BUREN COUNTY --- 0.9 SW FARMINGTON [40.64, -91.74]				
	07/27/08 18:15 CST		0	Thunderstorm Wind (EG 56 kt)
	07/27/08 18:15 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down numerous trees and branches across streets about 5 miles northwest of Croton, IA, or in the Farmington, IA area, around 715 pm July 27. A power outage was also observed.				
JEFFERSON COUNTY --- 2.0 NNW FAIRFIELD [41.02, -92.00], 2.6 W BECKWITH [41.02, -91.93], 2.8 ESE FAIRFIELD [40.98, -91.93], 1.5 SW FAIRFIELD [40.98, -92.00]				
	07/27/08 18:37 CST		50K	Flash Flood (due to Heavy Rain)
	07/27/08 19:30 CST		0	Source: Law Enforcement
Heavy rains resulted in flash flooding of Fairfield, IA during the evening of July 27. Several streets in town were flooded with cars stalled out in the flood waters and people swimming in the streets.				
DES MOINES COUNTY --- 1.6 W WEST BURLINGTON [40.82, -91.18]				
	07/27/08 18:40 CST		0	Thunderstorm Wind (EG 52 kt)
	07/27/08 18:40 CST		0	Source: Public
Wind gusts estimated to be over 60 mph were observed near the hospital and fairgrounds in West Burlington, IA at 740 pm July 27. This report was relayed by a trained spotter.				
DES MOINES COUNTY --- 1.6 W WEST BURLINGTON [40.82, -91.18]				

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/27/08 18:40 CST		1K	Thunderstorm Wind (EG 52 kt)
	07/27/08 18:40 CST		0	Source: Trained Spotter

Wind gusts estimated to be 60 mph blew shopping carts across a parking lot in West Burlington, IA at 740 pm July 27. A parked car was damaged by one of the shopping carts.

An upper level disturbance moved southeast across Iowa, northeast Missouri, and Illinois during the evening of July 27 bringing showers and thunderstorms to the region. Some of the thunderstorms surpassed severe thresholds by producing damaging winds over 60 mph. Torrential rains and subsequent flash flooding problems were also observed.

DES MOINES COUNTY --- 0.7 S BURLINGTON ARPT [40.77, -91.12]				
	07/29/08 15:40 CST		0	Thunderstorm Wind (EG 56 kt)
	07/29/08 15:40 CST		0	Source: Law Enforcement

Wind gusts estimated to be 65 mph snapped the top of an Elm tree off about 3 miles south of Burlington, IA around 4:40 pm July 29. The tree was 8 to 10 inches in diameter.

JONES COUNTY --- 4.7 E WYOMING [42.06, -90.91]				
	07/29/08 17:15 CST		0	Hail (0.88 in)
	07/29/08 17:15 CST		0	Source: Public

Penny to nickel-sized hail fell about 5 miles east of Wyoming, IA at 6:15 pm July 29.

A cold front moved across the Mississippi River Valley Region during the late afternoon and evening hours of July 29 bringing a large area of showers and thunderstorms to eastern Iowa, northeast Missouri, and the northern two thirds of Illinois. Some of the thunderstorms produced damaging winds and large hail, as well as torrential rains and subsequent flash flooding.

MISSOURI, Northeast

CLARK COUNTY --- 2.2 WNW ANSON [40.59, -91.81]				
	07/27/08 18:00 CST		0	Thunderstorm Wind (EG 56 kt)
	07/27/08 18:00 CST		0	Source: Trained Spotter

Wind gusts estimated to be 65 mph snapped a 14 inch diameter tree off near the ground about 5 miles southwest of Farmington, IA or about 2 miles west northwest of Anson, MO at 700 pm July 27.

CLARK COUNTY --- 6.0 WNW ANSON [40.60, -91.88]				
	07/27/08 18:00 CST		0	Thunderstorm Wind (EG 56 kt)
	07/27/08 18:00 CST		0	Source: Trained Spotter

Wind gusts estimated to be 65 mph blew down two trees on Highway V about 10 miles north of Luray, MO around 700 pm July 27.

SCOTLAND COUNTY --- 0.7 S SAND HILL [40.31, -92.13]				
	07/27/08 18:00 CST		0	Thunderstorm Wind (EG 52 kt)
	07/27/08 18:00 CST		0	Source: Trained Spotter

Wind gusts estimated to be over 60 mph were observed 2 miles west of Rutledge, MO between 700 pm and 705 pm July 27. Heavy rain was observed to begin around 706 pm.

SCOTLAND COUNTY --- 1.7 ENE GORIN HOWARD FLD ARP [40.43, -92.02]				
	07/27/08 18:02 CST		0	Thunderstorm Wind (EG 52 kt)
	07/27/08 18:02 CST		0	Source: Trained Spotter

Wind gusts estimated to be 60 mph stripped leaves from the trees about 2 miles south of Arbela, MO at 702 pm July 27.

SCOTLAND COUNTY --- 0.7 S MEMPHIS [40.46, -92.17]				
	07/27/08 18:04 CST		0	Thunderstorm Wind (EG 61 kt)
	07/27/08 18:04 CST		0	Source: Trained Spotter

Wind gusts estimated to be 60 to 70 mph blew down numerous branches in Memphis, MO at 704 pm July 27. A power outage was also observed. Over an inch of rain fell in 30 minutes.

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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SCOTLAND COUNTY --- 0.7 N ELLA EWING LAKE [40.36, -92.02]				
	07/27/08 18:10 CST		5K	Thunderstorm Wind (EG 56 kt)
	07/27/08 18:10 CST		0	Source: Trained Spotter
<p>Wind gusts estimated to be 65 mph blew down several tree limbs and power lines in South Gorin, MO at 710 pm July 27. A power outage was also observed. Two inches of rain fell in one hour.</p> <p>An upper level disturbance moved southeast across Iowa, northeast Missouri, and Illinois during the evening of July 27 bringing showers and thunderstorms to the region. Some of the thunderstorms surpassed severe thresholds by producing damaging winds over 60 mph. Torrential rains and subsequent flash flooding problems were also observed.</p>				
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SCOTLAND COUNTY --- 1.5 SE SHOW ME LAKE [40.42, -92.20], 3.1 ESE SHOW ME LAKE [40.41, -92.16], 3.0 WNW GORIN WILEYS FLD ARP [40.39, -92.12], 0.2 SW RUTLEDGE [40.32, -92.08], 2.2 SSW RUTLEDGE [40.29, -92.09], 0.2 SSE SAND HILL [40.32, -92.13]				
	07/29/08 14:55 CST		0	Flash Flood (due to Heavy Rain)
	07/29/08 17:00 CST		0	Source: Law Enforcement

Heavy rains resulted in flash flooding of parts of Scotland County Missouri during the afternoon of July 29. Flood waters covered both lanes of Highway M about 9 miles south of Memphis, IA for a time.

A cold front moved across the Mississippi River Valley Region during the late afternoon and evening hours of July 29 bringing a large area of showers and thunderstorms to eastern Iowa, northeast Missouri, and the northern two thirds of Illinois. Some of the thunderstorms produced damaging winds and large hail, as well as torrential rains and subsequent flash flooding.